ERS literature update
January-February 2020

Composed for group 1.02 by Anouk W. Vaes, PhD and Sarah Houben-Wilke, PhD of the department of Development and Education in CIRO, Horn, the Netherlands

PULMONARY REHABILITATION

The effects of pulmonary rehabilitation on endothelial function and arterial stiffness in patients with chronic obstructive pulmonary disease.
Pereira de Araujo CL, Pereira Reinaldo G, Foscarini BG, Ferreira Schneider B, Moraes Menezes VJ, Dal Lago P.
Physiother Res Int. 2019 Dec 27:e1820. doi: 10.1002/pri.1820. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31883231

The impact of home-based pulmonary rehabilitation on people with mild chronic obstructive pulmonary disease: a randomised controlled trial.
Lahham A, McDonald CF, Moore R, Cox NS, Rawlings S, Nichols A, Liacos A, Holland AE.
Clin Respir J. 2019 Dec 26. doi: 10.1111/crj.13138. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31880078

Exploring transitions in care from pulmonary rehabilitation to home for persons with chronic obstructive pulmonary disease: A descriptive qualitative study.
Miranda J, Underwood D, Kuepfer-Thomas M, Coulson D, Park AC, Butler SJ, Goldstein R, Brooks D, Everall AC, Guilcher SJT.
Health Expect. 2020 Jan 1. doi: 10.1111/hex.13012. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31893574

Tailored, psychological intervention for anxiety or depression in people with chronic obstructive pulmonary disease (COPD), TANDEM (Tailored intervention for ANxiety and DEpression Management in COPD): protocol for a randomised controlled trial.
Sohanpal R, Pinnock H, Steed L, Heslop Marshall K, Chan C, Kelly M, Priebe S, Roberts CM, Singh S, Smuk M, Saqi-Waseem S, Healey A, Underwood M, White P, Warburton C, Taylor SJC; TANDEM Investigators.
Trials. 2020 Jan 6;21(1):18. doi: 10.1186/s13063-019-3800-y.
https://www.ncbi.nlm.nih.gov/pubmed/31907074

Structural analysis of retinal blood vessels in patients with COPD during a pulmonary rehabilitation program.
Vaes AW, Spruit MA, Van Keer K, Barbosa-Breda J, Wouters EFM, Franssen FME, Theunis J, De Boever P.

Sci Rep. 2020 Jan 8;10(1):31. doi: 10.1038/s41598-019-56997-5.
https://www.ncbi.nlm.nih.gov/pubmed/31913345

Baseline Exercise Tolerance and Perceived Dyspnea to Identify the Ideal Candidate to Pulmonary Rehabilitation: A Risk Chart in COPD Patients.
Costi S, Crisafulli E, Trianni L, Beghè B, Faverzani S, Scopelliti G, Chetta A, Clini E.
Int J Chron Obstruct Pulmon Dis. 2019 Dec 27;14:3017-3023. doi: 10.2147/COPD.S223038. eCollection 2019.
https://www.ncbi.nlm.nih.gov/pubmed/31920298

An update on pulmonary rehabilitation techniques for patients with chronic obstructive pulmonary disease.
Wouters EF, Posthuma R, Koopman M, Liu WY, Sillen MJ, Hajian B, Sastry M, Spruit M, Franssen FM.
Expert Rev Respir Med. 2020 Jan 14:1-13. doi: 10.1080/17476348.2020.1700796. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31931636

Evaluation of sleep quality and daytime somnolence in patients with chronic obstructive pulmonary disease in pulmonary rehabilitation.
Nobeschi L, Zangirolami-Raimundo J, Cordoni PK, Squassoni SD, Fiss E, Pérez-Riera AR, de Abreu LC, Raimundo RD.
BMC Pulm Med. 2020 Jan 15;20(1):14. doi: 10.1186/s12890-020-1046-9.
https://www.ncbi.nlm.nih.gov/pubmed/31941484

Invited Commentary on: Efficacy of pulmonary rehabilitation in improving the quality of life for patients with chronic obstructive pulmonary disease: a systematic review and meta-analysis. Review article [Int J Surg 2019].
Schuurman HJ.
Int J Surg. 2020 Jan 14. pii: S1743-9191(20)30018-2. doi: 10.1016/j.ijsu.2020.01.008. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31953051

A geographic analysis of racial disparities in use of pulmonary rehabilitation after hospitalization for COPD exacerbation.
Spitzer KA, Stefan MS, Priya A, Pack QR, Pekow PS, Lagu T, Mazor K, Pinto-Plata VM, ZuWallack RL, Lindenauer PK .
Chest. 2020 Jan 17. pii: S0012-3692(20)30021-0. doi: 10.1016/j.chest.2019.11.044. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31958438

Referral of patients with chronic obstructive pulmonary disease to pulmonary rehabilitation: a qualitative study of barriers and enablers for primary healthcare practitioners.

Watson JS, Adab P, Jordan RE, Enocson A, Greenfield S.
Br J Gen Pract. 2020 Jan 27. pii: bjgp20X708101. doi: 10.3399/bjgp20X708101. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31988083

Nonadherence in Home-Based Pulmonary Rehabilitation Program for COPD Patients.
Li Y, Qian H, Yu K, Huang Y.
Can Respir J. 2020 Jan 7;2020:5146765. doi: 10.1155/2020/5146765. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/31998425

Relationships Between Forced Oscillatory Impedance and 6-minute Walk Distance After Pulmonary Rehabilitation in COPD.
Zimmermann SC, Thamrin C, Chan AS, Bertolin A, Chapman DG, King GG.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 21;15:157-166. doi: 10.2147/COPD.S225543. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021155

Virtual Reality Rehabilitation in Patients with Chronic Obstructive Pulmonary Disease: A Randomized Controlled Trial.
Rutkowski S, Rutkowska A, Kiper P, Jastrzebski D, Racheniuk H, Turolla A, Szczegielniak J, Casaburi R.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 13;15:117-124. doi: 10.2147/COPD.S223592. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021150

Therapist Driven Rehabilitation Protocol for Patients with Chronic Heart and Lung Diseases: A Real-Life Study.
Simonelli C, Vitacca M, Ambrosino N, Scalvini S, Rivadossi F, Saleri M, Fokom AG, Speltoni I, Ghirardi R, Paneroni M.
Int J Environ Res Public Health. 2020 Feb 5;17(3). pii: E1016. doi: 10.3390/ijerph17031016.
https://www.ncbi.nlm.nih.gov/pubmed/32033505

Influence of DISC behavioral profile on the short- and long-term outcomes of home-based pulmonary rehabilitation in patients with chronic obstructive pulmonary disease.
Grosbois JM, Charlet Deffontaines L, Caron A, Van Berleere M, Tercé G, Le Rouzic O, Wallaert B.
Respir Med Res. 2020 Jan 23;77:24-30. doi: 10.1016/j.resmer.2019.12.001. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32036283

The Effectiveness, Safety and Compliance of Zheng's Supine Rehabilitation Exercise as a Rehabilitation Program among Elderly Patients with AECOPD.
Lu H, Liu N, Hu J, Wang X, Li Y, Song M, Zhong L, He W, Chen R, Zheng Z.
Clin Respir J. 2020 Feb 11. doi: 10.1111/crj.13164. [Epub ahead of print]

https://www.ncbi.nlm.nih.gov/pubmed/32043808

Impact of mild-to-moderate exacerbations on outcomes of neuromuscular electrical stimulation (NMES) in patients with COPD.
Meys R, Sillen MJ, Franssen FME, Stoffels AAF, Wouters EFM, van Hees HWH, van den Borst B, Klijn PH, Spruit MA; BASES-consortium.
Respir Med. 2020 Jan;161:105851. doi: 10.1016/j.rmed.2019.105851. Epub 2019 Nov 28.
https://www.ncbi.nlm.nih.gov/pubmed/32056725

Nutritional supplementation during pulmonary rehabilitation in COPD: A systematic review.
Aldhahir AM, Rajeh AMA, Aldabayan YS, Drammeh S, Subbu V, Alqahtani JS, Hurst JR, Mandal S.
Chron Respir Dis. 2020 Jan-Dec;17:1479973120904953. doi: 10.1177/1479973120904953.
https://www.ncbi.nlm.nih.gov/pubmed/32054293

Early pulmonary rehabilitation after acute exacerbation of COPD: a randomised controlled trial.
Kjærgaard JL, Juhl CB, Lange P, Wilcke JT.
ERJ Open Res. 2020 Feb 17;6(1). pii: 00173-2019. doi: 10.1183/23120541.00173-2019. eCollection 2020 Jan.
https://www.ncbi.nlm.nih.gov/pubmed/32083113

Pulmonary rehabilitation referral and uptake from primary care for people living with COPD: a mixed-methods study.
Early F, Wilson PM, Deaton C, Wellwood I, Haque HW, Fox SE, Yousaf A, Meysner OD, Ward JR, Singh SJ, Fuld JP.
ERJ Open Res. 2020 Feb 17;6(1). pii: 00219-2019. doi: 10.1183/23120541.00219-2019. eCollection 2020 Jan.
https://www.ncbi.nlm.nih.gov/pubmed/32083112

Effectiveness of home-based preoperative pulmonary rehabilitation in COPD patients undergoing lung cancer resection.
Rispoli M, Salvi R, Cennamo A, Di Natale D , Natale G, Meoli I, Gioia MR, Esposito M, Nespoli MR, De Finis M, Buono S, Corcione A, Lavoretano S, Bianco A, Fiorelli A, Curcio C, Perrotta F.
Tumori. 2020 Feb 23:300891619900808. doi: 10.1177/0300891619900808. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32090715

Effectiveness of non-pharmacological COPD management on health-related quality of life - a systematic review.
Hindelang M, Kirsch F, Leidl R.
Expert Rev Pharmacoecon Outcomes Res. 2020 Feb 26. doi: 10.1080/14737167.2020.1734455. [Epub ahead of print]

https://www.ncbi.nlm.nih.gov/pubmed/32098530

EXERCISE TESTING AND TRAINING

Differences in Respiratory Muscle Responses to Hyperpnea or Loaded Breathing in COPD.
Rodrigues A, Louvaris Z, Dacha S, Janssens W, Pitta F, Vogiatizis I, Gosselink R, Langer D.
Med Sci Sports Exerc. 2019 Dec 23. doi: 10.1249/MSS.0000000000002222. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31876666

Are the Effects of High-Intensity Exercise Training Different in Patients with COPD Versus COPD+Asthma Overlap?
Rodrigues A, de Oliveira JM, Furlanetto KC, Machado FVC, Belo LF, Schneider LP, Morita AA, Andrelo AC, Fonseca J, Brito IL, Paes T, Felcar JM, Probst VS, Hernandes NA, Pitta F.
Lung. 2019 Dec 23. doi: 10.1007/s00408-019-00311-7. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31873783

Mind-Body Exercise for Anxiety and Depression in COPD Patients: A Systematic Review and Meta-Analysis.
Li Z, Liu S, Wang L, Smith L.
Int J Environ Res Public Health. 2019 Dec 18;17(1). pii: E22. doi: 10.3390/ijerph17010022.
https://www.ncbi.nlm.nih.gov/pubmed/31861418

Determinants of the Diminished Exercise Capacity in Patients with Chronic Obstructive Pulmonary Disease: Looking Beyond the Lungs.
Broxterman RM, Hoff J, Wagner PD, Richardson RS.
J Physiol. 2019 Dec 19. doi: 10.1113/JP279135. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31856306

Prognostic ability of the distance-saturation product in the 6-minute walk test in patients with chronic obstructive pulmonary disease.
Gurbani N, Figueira Gonçalves JM, García Bello MÁ, García-Talavera I, Afonso Díaz A.
Clin Respir J. 2019 Dec 28. doi: 10.1111/crj.13141. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31883431

Yoga and Tai Chi: a mind-body approach in managing respiratory symptoms in obstructive lung diseases.
Ratarasarn K, Kundu A.
Curr Opin Pulm Med. 2019 Dec 31. doi: 10.1097/MCP.0000000000000654. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31895882

Specific motor cortex hypoexcitability and hypoactivation in COPD patients with peripheral muscle weakness.

Alexandre F, Héraud N, Tremey E, Oliver N, Bourgouin D, Varray A.
BMC Pulm Med. 2020 Jan 3;20(1):1. doi: 10.1186/s12890-019-1042-0.
https://www.ncbi.nlm.nih.gov/pubmed/31900129

Cardiorespiratory Response during the 1-min Sit-to-Stand Test in Chronic Obstructive Pulmonary Disease.
Gephine S, Bergeron S, Tremblay-Labrecque PF, Mucci P, Saey D, Maltais F.
Med Sci Sports Exerc. 2020 Jan 17. doi: 10.1249/MSS.0000000000002276. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31977637

Resistance training using different elastic components offers similar gains on muscle strength to weight machine equipment in Individuals with COPD: A randomized controlled trial.
Freire APCF, Marçal Camillo CA, de Alencar Silva BS, Uzeloto JS, Francisco de Lima F, Alberto Gobbo L, Ramos D, Cipulo Ramos EM.
Physiother Theory Pract. 2020 Jan 24:1-14. doi: 10.1080/09593985.2020.1716422. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31975638

Maximal handgrip strength can predict maximal physical performance in patients with chronic fatigue.
Jammes Y, Stavris C, Charpin C, Rebaudet S, Lagrange G, Retornaz F.
Clin Biomech (Bristol, Avon). 2020 Jan 9;73:162-165. doi: 10.1016/j.clinbiomech.2020.01.003. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31986462

Locomotor Muscles in COPD: The Rationale for Rehabilitative Exercise Training.
Marillier M, Bernard AC, Vergès S, Neder JA.
Front Physiol. 2020 Jan 14;10:1590. doi: 10.3389/fphys.2019.01590. eCollection 2019.
https://www.ncbi.nlm.nih.gov/pubmed/31992992

Modified BODE Index to Predict Mortality in Individuals With COPD: The Role of 4-Min Step Test.
Vieira EB, Degani-Costa LH, Amorim BC, Oliveira LB, Miranda-Silva T, Sperandio PC, Medeiros WM, Arbex FF, Ramos RP, Nery LE.
Respir Care. 2020 Jan 28. pii: respcare.06991. doi: 10.4187/respcare.06991. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31992673

Short Physical Performance Battery: What Does Each Sub-Test Measure in Patients with Chronic Obstructive Pulmonary Disease?
Mohan D, Benson VS, Allinder M, Galwey N, Bolton CE, Cockcroft JR, MacNee W, Wilkinson IB, Tal-Singer R, Polkey MI; ERICA Consortium.

Chronic Obstr Pulm Dis. 2020 Jan;7(1):13-25. doi: 10.15326/jcopdf.7.1.2019.0144.
https://www.ncbi.nlm.nih.gov/pubmed/31999899

The Glittre ADL-Test Differentiates COPD Patients with and without Self-Reported Functional Limitation.
Souza GF, Sarmento A, Moreira GL, Gazzotti MR, Jardim JR, Nascimento OA.
COPD. 2020 Jan 31:1-7. doi: 10.1080/15412555.2020.1716707. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32003241

Association between peak inspiratory flow rate and hand grip muscle strength in hospitalized patients with acute exacerbation of chronic obstructive pulmonary disease.
Samarghandi A, Ioachimescu OC, Qayyum R.
PLoS One. 2020 Jan 31;15(1):e0227737. doi: 10.1371/journal.pone.0227737. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32004333

Agreement between Cardiopulmonary Exercise Test and Modified 6-Min Walk Test in Determining Oxygen Uptake in COPD Patients with Different Severity Stages.
Vonbank K, Marzluf B, Knötig M, Funk GC.
Respiration. 2020 Jan 31:1-6. doi: 10.1159/000505856. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32008003

Performance difference on the six-minute walk test on tracks of 20 and 30 meters for patients with chronic obstructive pulmonary disease: validity and reliability.
Klein SR, Gulart AA, Venâncio RS, Munari AB, Gavenda SG, Martins ACB, Mayer AF.
Braz J Phys Ther. 2020 Jan 22. pii: S1413-3555(19)30220-5. doi: 10.1016/j.bjpt.2020.01.001. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32007324

Enhanced External Counterpulsation Efficacy on Exercise Endurance in COPD Patients and Healthy Subjects: A Pilot Randomized Clinical Trial.
Zhao M, Huang Y, Li L, Zhou L, Wu Z, Liu Y, Zhang H, Hu C.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 7;15:25-31. doi: 10.2147/COPD.S225566. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021141

Therapeutic Exercise.
Barker K, Eickmeyer S.
Med Clin North Am. 2020 Mar;104(2):189-198. doi: 10.1016/j.mcna.2019.10.003. Epub 2019 Dec 16.
https://www.ncbi.nlm.nih.gov/pubmed/32035563

Effect of Breathing Oxygen-Enriched Air on Exercise Performance in Patients with Chronic Obstructive Pulmonary Disease: Randomized, Placebo-Controlled, Cross-Over Trial.
Hasler ED, Saxer S, Schneider SR, Furian M, Lichtblau M, Schwarz EI, Bloch KE, Ulrich S.

Respiration. 2020 Feb 12:1-12. doi: 10.1159/000505819. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32050198

Eccentric versus conventional cycle training to improve muscle strength in advanced COPD: A randomized clinical trial.
Bourbeau J, De Sousa Sena R, Taivassalo T, Richard R, Jensen D, Baril J, Rocha Vieira DS, Perrault H.
Respir Physiol Neurobiol. 2020 Feb 9:103414. doi: 10.1016/j.resp.2020.103414. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32050099

Rhythmic auditory stimulation increases 6-Minute walk distance in individuals with COPD: A repeated measures study.
Hernandez A, Bronas UG, Steffen AD, Marquez DX, Fritschi C, Quinn LT, Collins EG.
Heart Lung. 2020 Feb 14. pii: S0147-9563(20)30006-6. doi: 10.1016/j.hrtlng.2020.01.006. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32067724

Handgrip Strength Seems Not to Be Affected by COPD Disease Progression: A Longitudinal Cohort Study.
Kohlbrenner D, Sievi NA, Roeder M, Thurnheer R, Leuppi JD, Irani S, Frey M, Brutsche M, Brack T, Kohler M, Clarenbach CF.
COPD. 2020 Feb 19:1-6. doi: 10.1080/15412555.2020.1727428. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32070141

Effects of high- and moderate-intensity exercise on central hemodynamic and oxygen uptake recovery kinetics in CHF-COPD overlap.
Mazzuco A, Souza AS, Medeiros WM, Sperandio PA, Alencar MCN, Arbex FF, Neder JA, Borghi-Silva A.
Braz J Med Biol Res. 2020 Feb 14;53(3):e9391. doi: 10.1590/1414-431X20199391. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32077467

PHYSICAL ACTIVITY

"Can do, don't do" are not the lazy ones: a longitudinal study on physical functioning in patients with COPD.
Sievi NA, Brack T, Brutsche MH, Frey M, Irani S, Leuppi JD, Thurnheer R, Kohler M, Clarenbach CF.
Respir Res. 2020 Jan 20;21(1):27. doi: 10.1186/s12931-020-1290-9.
https://www.ncbi.nlm.nih.gov/pubmed/31959169

Associations between Physical Activity and Comorbidities in People with COPD Residing in Spain: A Cross-Sectional Analysis.

Sánchez Castillo S, Smith L, Díaz Suárez A, López Sánchez GF.
Int J Environ Res Public Health. 2020 Jan 16;17(2). pii: E594. doi: 10.3390/ijerph17020594.
https://www.ncbi.nlm.nih.gov/pubmed/31963364

Feasibility and acceptability of active for life with COPD, an intervention to increase light physical activity in people with COPD.
Larson JL, Webster KE.
Heart Lung. 2020 Jan 30. pii: S0147-9563(20)30002-9. doi: 10.1016/j.hrtlng.2020.01.002. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32008809

Long-term effects of web-based pedometer-mediated intervention on COPD exacerbations.
Wan ES, Kantorowski A, Polak M, Kadri R, Richardson CR, Gagnon DR, Garshick E, Moy ML.
Respir Med. 2020 Feb;162:105878. doi: 10.1016/j.rmed.2020.105878. Epub 2020 Jan 11.
https://www.ncbi.nlm.nih.gov/pubmed/32056676

TELEMEDICINE*

**Composed in collaboration with Dr. Vitalii Poberezhets (Chair of Group 01.04 - m-Health/e-health)*

Understanding End-User Perspectives of Mobile Pulmonary Rehabilitation (mPR): Cross-Sectional Survey and Interviews.
Dobson R, Herbst P, Candy S, Brott T, Garrett J, Humphrey G, Reeve J, Tawhai M, Taylor D, Warren J, Whittaker R.
JMIR Form Res. 2019 Dec 20;3(4):e15466. doi: 10.2196/15466.
https://www.ncbi.nlm.nih.gov/pubmed/31859681

Beyond forest plots: clinical gestalt and its influence on COPD telemonitoring studies and outcomes review.
Smith SM, Holland AE, McDonald CF.
BMJ Open. 2019 Dec 18;9(12):e030779. doi: 10.1136/bmjopen-2019-030779.
https://www.ncbi.nlm.nih.gov/pubmed/31857301

Telemonitoring Interventions in COPD Patients: Overview of Systematic Reviews.
Li X, Xie Y, Zhao H, Zhang H, Yu X, Li J.
Biomed Res Int. 2020 Jan 17;2020:5040521. doi: 10.1155/2020/5040521. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32016115

Evaluating the effect of a smartphone app-based self-management program for people with COPD: A randomized controlled trial.
Park SK, Bang CH, Lee SH.
Appl Nurs Res. 2020 Jan 9:151231. doi: 10.1016/j.apnr.2020.151231. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31955942

A Telehealth-Delivered Pulmonary Rehabilitation Intervention in Underserved Hispanic and African American Patients With Chronic Obstructive Pulmonary Disease: A Community-Based Participatory Research Approach.
Pekmezaris R, Kozikowski A, Pascarelli B, Wolf-Klein G, Boye-Codjoe E, Jacome S, Madera D, Tsang D, Guerrero B, Medina R, Polo J, Williams M, Hajizadeh N.
JMIR Form Res. 2020 Jan 31;4(1):e13197. doi: 10.2196/13197.
https://www.ncbi.nlm.nih.gov/pubmed/32012039

Evaluating the feasibility, acceptability and pre testing the impact of a self-management and tele monitoring program for chronic obstructive pulmonary disease patients in Lebanon: Protocol for a feasibility study.
Nohra RG, Sacre H, Salameh P, Rothan-Tondeur M.
Medicine (Baltimore). 2020 Feb;99(6):e19021. doi: 10.1097/MD.0000000000019021.
https://www.ncbi.nlm.nih.gov/pubmed/32028412

Effectiveness of Telemedicine Intervention for Chronic Obstructive Pulmonary Disease in China: A Systematic Review and Meta-Analysis.
Liu F, Jiang Y, Xu G, Ding Z.
Telemed J E Health. 2020 Feb 18. doi: 10.1089/tmj.2019.0215. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32069170

Implementation of digital health interventions in respiratory medicine: a call to action by the European Respiratory Society m-Health/e-Health Group.
Poberezhets V, Pinnock H, Vogiatzis I, Mishlanov V. ERJ Open Res. 2020 Jan 20;6(1):00281-2019. doi: 10.1183/23120541.00281-2019.
https://pubmed.ncbi.nlm.nih.gov/31984208

Telemonitoring systems for respiratory patients: technological aspects.
Angelucci A, Aliverti A. Pulmonology. 2020 Jan 10:S2531-0437(19)30214-4. doi: 10.1016/j.pulmoe.2019.11.006. Epub ahead of print.
https://pubmed.ncbi.nlm.nih.gov/31932232

PATIENT REPORTED OUTCOME MEASURES

A Qualitative Meta-Synthesis of the Experience of Fatigue across Five Chronic Conditions.
Jaime-Lara RB, Koons BC, Matura LA, Hodgson NA, Riegel B.
J Pain Symptom Manage. 2019 Dec 19. pii: S0885-3924(19)31063-2. doi: 10.1016/j.jpainsymman.2019.12.358. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31866485

Symptom variability over the course of the day in patients with stable COPD in Brazil: a real-world observational study.

Cukier A, Godoy I, Costa CHD, Rubin AS, Gregorio MG, Albuquerque Neto AA, Lima MA, Pereira MC, Tanni SE, Athanazio RA, Bessa EJC, Wehrmeister FC, Lourenco CB, Menezes AMB.
J Bras Pneumol. 2019 Dec 20;46(3):e20190223. doi: 10.36416/1806-3756/e20190223. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/31859705

Self-efficacy and health-related quality of life in chronic obstructive pulmonary disease: A meta-analysis.
Selzler AM, Habash R, Robson L, Lenton E, Goldstein R, Brooks D.
Patient Educ Couns. 2019 Dec 16. pii: S0738-3991(19)30547-6. doi: 10.1016/j.pec.2019.12.003. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31859120

Comparison between electronic and paper versions of patient-reported outcome measures in subjects with chronic obstructive pulmonary disease: an observational study with a cross-over administration.
Nishimura K, Kusunose M, Sanda R, Tsuji Y, Hasegawa Y, Oga T.
BMJ Open. 2019 Dec 18;9(12):e032767. doi: 10.1136/bmjopen-2019-032767.
https://www.ncbi.nlm.nih.gov/pubmed/31857313

Comparing the impact of different exercise interventions on fatigue in individuals with COPD: A systematic review and meta-analysis.
Li LSK, Butler S, Goldstein R, Brooks D.
Chron Respir Dis. 2019 Jan-Dec;16:1479973119894855. doi: 10.1177/1479973119894855.
https://www.ncbi.nlm.nih.gov/pubmed/31884822

Health-related quality of life of patients diagnosed with COPD in Extremadura, Spain: results from an observational study.
Merino M, Villoro R, Hidalgo-Vega Á, Carmona C; Collaborative Working Group EPOC-Extremadura.
Health Qual Life Outcomes. 2019 Dec 30;17(1):189. doi: 10.1186/s12955-019-1244-4.
https://www.ncbi.nlm.nih.gov/pubmed/31888646

CAT Score and SGRQ Definitions of Chronic Bronchitis as an Alternative to the Classical Definition.
Choi JY, Yoon HK, Shin KC, Park SY, Lee CY, Ra SW, Jung KS, Yoo KH, Lee CH, Rhee CK.
Int J Chron Obstruct Pulmon Dis. 2019 Dec 30;14:3043-3052. doi: 10.2147/COPD.S228307. eCollection 2019.
https://www.ncbi.nlm.nih.gov/pubmed/31920301

ABC-tool reinvented: development of a disease-specific 'Assessment of Burden of Chronic Conditions (ABCC)-tool' for multiple chronic conditions.

Boudewijns EA, Claessens D, van Schayck OCP, Keijsers LCEM, Salomé PL, In 't Veen JCCM, Bilo HJG, Gidding-Slok AHM.
BMC Fam Pract. 2020 Jan 13;21(1):11. doi: 10.1186/s12875-019-1075-8.
https://www.ncbi.nlm.nih.gov/pubmed/31931729

Qualitative Analysis of the Disease Experience of Korean Older Men With Chronic Obstructive Pulmonary Disease.
Kim K, Ko JW, Choi S.
J Gerontol Nurs. 2020 Feb 1;46(2):49-56. doi: 10.3928/00989134-20200108-02.
https://www.ncbi.nlm.nih.gov/pubmed/31978239

Assessment of the COPD Assessment Test Within U.S. Primary Care.
Stanford RH, Tabberer M, Kosinski M, Johnson PT, White J, Carlyle M, Tillery NA.
Chronic Obstr Pulm Dis. 2020 Jan;7(1):26-37. doi: 10.15326/jcopdf.7.1.2019.0135.
https://www.ncbi.nlm.nih.gov/pubmed/31999900

The health-related quality-of-life of chronic obstructive pulmonary disease patients and disease-related indirect burdens.
Choi HS, Yang DW, Rhee CK, Yoon HK, Lee JH, Lim SY, Kim YI, Yoo KH, Hwang YI, Lee SH, Park YB.
Korean J Intern Med. 2020 Feb 20. doi: 10.3904/kjim.2018.398. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32066224

Minimal Clinically Important Differences for Patient-Reported Outcome Measures of Cough and Sputum in Patients with COPD.
Rebelo P, Oliveira A, Paixão C, Valente C, Andrade L, Marques A.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 29;15:201-212. doi: 10.2147/COPD.S219480. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32099345

INTERSTITIAL LUNG DISEASE

A retrospective study on the predictive implications of clinical characteristics and therapeutic management in patients with rheumatoid arthritis-associated interstitial lung disease.
Li L, Liu R, Zhang Y, Zhou J, Li Y, Xu Y, Gao S, Zheng Y.
Clin Rheumatol. 2019 Dec 19. doi: 10.1007/s10067-019-04846-1. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31858341

Validation of the King's Brief Interstitial Lung Disease questionnaire in Idiopathic Pulmonary Fibrosis.
Prior TS, Hilberg O, Shaker SB, Davidsen JR, Hoyer N, Birring SS, Bendstrup E.
BMC Pulm Med. 2019 Dec 19;19(1):255. doi: 10.1186/s12890-019-1018-0.
https://www.ncbi.nlm.nih.gov/pubmed/31856786

Clinical significance of self-reported cough intensity and frequency in patients with interstitial lung disease: a cross-sectional study.
Sato R, Handa T, Matsumoto H, Kubo T, Hirai T.
BMC Pulm Med. 2019 Dec 16;19(1):247. doi: 10.1186/s12890-019-1012-6.
https://www.ncbi.nlm.nih.gov/pubmed/31842848

Idiopathic Pulmonary Fibrosis: A review of disease, pharmacological and non-pharmacological strategies with a focus on symptoms, function, and health-related quality of life.
Rozenberg D, Sitzer N, Porter S, Weiss A, Colman R, Reid DW, Shapera S, Fisher J, Wentlandt K.
J Pain Symptom Manage. 2019 Dec 27. pii: S0885-3924(19)31078-4. doi: 10.1016/j.jpainsymman.2019.12.364. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31887400

The impact of palliative care on quality of life, anxiety, and depression in idiopathic pulmonary fibrosis: a randomized controlled pilot study.
Janssen K, Rosielle D, Wang Q, Kim HJ.
Respir Res. 2020 Jan 3;21(1):2. doi: 10.1186/s12931-019-1266-9.
https://www.ncbi.nlm.nih.gov/pubmed/31900187

Effects of 100% oxygen during exercise in patients with interstitial lung disease.
Cournoyer J, Ramos CF, Sturgill B, Tang F, DeLuca N, Mirsaeidi M, Jackson RM.
Respir Physiol Neurobiol. 2020 Jan 3:103367. doi: 10.1016/j.resp.2019.103367. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31911201

The European MultiPartner IPF registry (EMPIRE): validating long-term prognostic factors in idiopathic pulmonary fibrosis.
Tran T, Šterclová M, Mogulkoc N, Lewandowska K, Müller V, Hájková M, Kramer MR, Jovanović D, Tekavec-Trkanjec J, Studnicka M, Stoeva N, Hejduk K, Dušek L, Suissa S, Vašáková M; EMPIRE registry.
Respir Res. 2020 Jan 8;21(1):11. doi: 10.1186/s12931-019-1271-z.
https://www.ncbi.nlm.nih.gov/pubmed/31915023

Disease Severity and Quality of Life in Patients with Idiopathic Pulmonary Fibrosis: A Cross-Sectional Analysis of the IPF-PRO Registry: Disease severity and quality of life in IPF.
O'Brien EC, Hellkamp AS, Neely ML, Swaminathan A, Bender S, Snyder LD, Culver DA, Conoscenti CS, Todd JL, Palmer SM, Leonard TB; IPF-PRO™ Registry investigators.
Chest. 2020 Jan 15. pii: S0012-3692(20)30016-7. doi: 10.1016/j.chest.2019.11.042. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31954102

Characterizing Health Outcomes in Idiopathic Pulmonary Fibrosis using US Health Claims Data.
Mortimer KM, Bartels DB, Hartmann N, Capapey J, Yang J, Gately R, Enger C.
Respiration. 2020 Jan 24:1-11. doi: 10.1159/000504630. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31982886

Interstitial Lung Disease in Relatives of Patients with Pulmonary Fibrosis.
Hunninghake GM, Quesada-Arias LD, Carmichael NE, Martinez Manzano JM, Poli De Frías S, Alvarez Baumgartner M, DiGianni L, Gampala-Sagar SN, Leone DA, Gulati S, El-Chemaly S, Goldberg HJ, Putman RK, Hatabu H, Raby BA, Rosas IO.
Am J Respir Crit Care Med. 2020 Feb 3. doi: 10.1164/rccm.201908-1571OC. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32011908

Skeletal muscle oxygenation and regional blood volume during incremental limb loading in interstitial lung disease.
Wickerson L, Mathur S, Brooks D, Bonetti LV, Singer LG, Granton J, Reid WD.
ERJ Open Res. 2020 Jan 27;6(1). pii: 00083-2019. doi: 10.1183/23120541.00083-2019. eCollection 2020 Jan.
https://www.ncbi.nlm.nih.gov/pubmed/32010722

Ability of the COPD Assessment Test to evaluate lung-specific quality of life in systemic sclerosis-associated interstitial lung disease.
Mugii N, Someya F.
Clin Respir J. 2020 Feb 11. doi: 10.1111/crj.13162. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32045097

The Role of Palliative Care in Reducing Symptoms and Improving Quality of Life for Patients with Idiopathic Pulmonary Fibrosis: A Review.
Zou RH, Kass DJ, Gibson KF, Lindell KO.
Pulm Ther. 2020 Jan 4. doi: 10.1007/s41030-019-00108-2. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32048243

Acute exacerbation of idiopathic pulmonary fibrosis: International survey and call for harmonisation.
Kreuter M, Polke M, Walsh SLF, Krisam J, Collard HR, Chaudhuri N, Avdeev S, Behr J, Calligaro G, Corte T, Flaherty K, Funke-Chambour M, Kolb M, Kondoh Y, Maher TM, Molina MM, Morais A, Moor CC, Morisset J, Pereira C, Quadrelli S, Selman M, Tzouvelekis A, Valenzuela C, Vancheri C, Vicens-Zygmunt V, Wälscher J, Wuyts W, Wijsenbeek M, Cottin V, Bendstrup E.
Eur Respir J. 2020 Feb 14. pii: 1901760. doi: 10.1183/13993003.01760-2019. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32060068

Differences in clinical characteristics and outcomes between men and women with idiopathic pulmonary fibrosis: a multicenter retrospective cohort study.
Zaman T, Moua T, Vittinghoff E, Ryu JH, Collard HR, Lee JS.
Chest. 2020 Feb 18. pii: S0012-3692(20)30281-6. doi: 10.1016/j.chest.2020.02.009. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32084394

The impact of high-flow nasal cannula oxygen therapy on exercise capacity in fibrotic interstitial lung disease: a proof-of-concept randomized controlled crossover trial.
Suzuki A, Ando M, Kimura T, Kataoka K, Yokoyama T, Shiroshita E, Kondoh Y.
BMC Pulm Med. 2020 Feb 24;20(1):51. doi: 10.1186/s12890-020-1093-2.
https://www.ncbi.nlm.nih.gov/pubmed/32093665

Pulmonary rehabilitation in interstitial lung diseases: A review of the literature.
Wytrychowski K, Hans-Wytrychowska A, Piesiak P, Majewska-Pulsakowska M, Rożek-Piechura K.
Adv Clin Exp Med. 2020 Feb 26. doi: 10.17219/acem/115238. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32101645

ASTHMA

Clinical Characteristics and Burden of Illness among Adolescent and Adult Patients with Severe Asthma by Asthma Control: the IDEAL Study.
Müllerová H, Cockle SM, Gunsoy NB, Nelsen LM, Albers FC.
J Asthma. 2019 Dec 24:1-16. doi: 10.1080/02770903.2019.1708095. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31874051

A behavioral intervention can decrease asthma exacerbations in older adults.
Baptist AP, Hao W, Song PX, Carpenter L, Steinberg J, Cardozo LJ.
Ann Allergy Asthma Immunol. 2019 Dec 23. pii: S1081-1206(19)31493-0. doi: 10.1016/j.anai.2019.12.015. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31877361

Home self-monitoring in patients with asthma using a mobile spirometry system.
Kupczyk M, Hofman A, Kołtowski Ł, Kuna P, Łukaszyk M, Buczyłko K, Bodzenta-Łukaszyk A, Nastałek P, Soliński M, Dąbrowiecki P.
J Asthma. 2019 Dec 26:1-12. doi: 10.1080/02770903.2019.1709864. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31877056

The Influence of Self-Assessment of Asthma Control on the Asthma Control Test Outcome.
Przybyszowski M, Stachura T, Szafraniec K, Sladek K, Bochenek G.
J Asthma. 2019 Dec 20:1-14. doi: 10.1080/02770903.2019.1708098. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31860372

Body mass index, asthma, and respiratory symptoms: a population-based study.
Souza ECC, Pizzichini MMM, Dias M, Cunha MJ, Matte DL, Karloh M, Maurici R, Pizzichini E.
J Bras Pneumol. 2019 Dec 20;46(1):e20190006. doi: 10.1590/1806-3713/e20190006. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/31859815

Participation factors for asthma education programs - a cross sectional survey.
Atmann O, Linde K, Werner C, Dorn U, Schneider A.
BMC Pulm Med. 2019 Dec 19;19(1):256. doi: 10.1186/s12890-019-0979-3.
https://www.ncbi.nlm.nih.gov/pubmed/31856782

Protocol for a multicentre randomised controlled trial to investigate the effect on asthma-related quality of life from breathing retraining in patients with incomplete asthma control attending specialist care in Denmark.
Andreasson KH, Skou ST, Ulrik CS, Madsen H, Sidenius K, Jacobsen JS, Assing KD, Rasmussen KB, Porsbjerg C, Thomas M, Bodtger U.
BMJ Open. 2019 Dec 31;9(12):e032984. doi: 10.1136/bmjopen-2019-032984.
https://www.ncbi.nlm.nih.gov/pubmed/31892661

Uncontrolled asthma occurs in all GINA treatment steps and is associated with worse physical health - A report from the OLIN adult asthma cohort.
Stridsman C, Axelsson M, Warm K, Backman H.
J Asthma. 2020 Jan 7:1-16. doi: 10.1080/02770903.2020.1713150. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31910044

Age- and sex-dependent differences in patients with severe asthma included in the German Asthma Net cohort.
Milger K, Korn S, Buhl R, Hamelmann E, Herth FJ, Gappa M, Drick N, Fuge J, Suhling H.
Respir Med. 2020 Jan 3;162:105858. doi: 10.1016/j.rmed.2019.105858. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31916535

Psychiatric co-morbidity and asthma: A pilot study utilizing a free use tool to improve asthma care.
Paquet J, Mah D, Saad E, Beach J, Vethanayagam D.
Clin Invest Med. 2019 Dec 29;42(4):E22-E27. doi: 10.25011/cim.v42i4.33115.
https://www.ncbi.nlm.nih.gov/pubmed/31922705

Obesity Does Not Increase the Risk of Asthma Readmissions.
Gonzalez-Barcala FJ, Nieto-Fontarigo JJ, Lourido-Cebreiro T, Rodríguez-García C, San-Jose ME, Carreira JM, Calvo-Alvarez U, Cruz MJ, Facal D, Garcia-Sanz MT, Valdes-Cuadrado L, Salgado FJ.
J Clin Med. 2020 Jan 14;9(1). pii: E221. doi: 10.3390/jcm9010221.

https://www.ncbi.nlm.nih.gov/pubmed/31947560

Anxiety and depression may associate with poorer control and quality of life in adults with asthma.
Li Y, Jiang Q, Ji Y, Cao C.
Allergy. 2020 Jan 20. doi: 10.1111/all.14189. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31960450

Change in the symptom profile treated as asthma - two cross-sectional studies twenty years apart.
Pindus M, Orru H, Jõgi R.
Respir Res. 2020 Feb 3;21(1):41. doi: 10.1186/s12931-020-1308-3.
https://www.ncbi.nlm.nih.gov/pubmed/32013984

Persistent Asthma is Associated with Increased Risk for Incident Atrial Fibrillation in the Multi-Ethnic Study of Atherosclerosis (MESA).
Tattersall MC, Dasiewicz AS, McClelland RL, Gepner AD, Kalscheur MM, Field ME, Heckbert SR, Hamdan MH, Stein JH.
Circ Arrhythm Electrophysiol. 2020 Feb 4. doi: 10.1161/CIRCEP.119.007685. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32013555

Validation of online Asthma Control Questionnaire and Asthma Quality of Life Questionnaire.
Khusial RJ, Honkoop PJ, van der Meer V, Snoeck-Stroband JB, Sont JK.
ERJ Open Res. 2020 Jan 27;6(1). pii: 00289-2019. doi: 10.1183/23120541.00289-2019. eCollection 2020 Jan.
https://www.ncbi.nlm.nih.gov/pubmed/32010723

Outpatient Management of Chronic Asthma in 2020.
Tripple JW, Ameredes BT, Calhoun WJ.
JAMA. 2020 Feb 11;323(6):561-562. doi: 10.1001/jama.2019.19986.
https://www.ncbi.nlm.nih.gov/pubmed/32044930

New Therapeutic Strategies for Asthma.
Zoratti EM, O'Connor GT.
JAMA. 2020 Feb 11;323(6):517-518. doi: 10.1001/jama.2019.19985.
https://www.ncbi.nlm.nih.gov/pubmed/32044924

The impact of dysfunctional breathing on the level of asthma control in difficult asthma.
Sedeh FB, Von Bülow A, Backer V, Bodtger U, Petersen US, Vest S, Hull J, Porsbjerg C.
Respir Med. 2020 Feb 8;163:105894. doi: 10.1016/j.rmed.2020.105894. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32056838

Comparison of the effects of pulmonary and extra-pulmonary symptoms on health-related quality of life in patients with severe asthma.
Lanario JW, Hyland ME, Wei Y, Jones RC, Masoli M.
Respir Med. 2020 Feb;162:105870. doi: 10.1016/j.rmed.2020.105870. Epub 2020 Jan 10.
https://www.ncbi.nlm.nih.gov/pubmed/32056677

Asthma is associated with frailty among community-dwelling adults: the GAZEL cohort.
Landré B, Nadif R, Goldberg M, Gourmelen J, Zins M, Ankri J, Herr M.
BMJ Open Respir Res. 2020 Feb;7(1). pii: e000526. doi: 10.1136/bmjresp-2019-000526.
https://www.ncbi.nlm.nih.gov/pubmed/32066563

The impact of dysfunctional breathing on the level of asthma control in difficult asthma.
Sedeh FB, Von Bülow A, Backer V, Bodtger U, Petersen US, Vest S, Hull J, Porsbjerg C.
Respir Med. 2020 Feb 8;163:105894. doi: 10.1016/j.rmed.2020.105894. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32056838

Effect of pranayama breathing technique on asthma control, pulmonary function, and quality of life: A single-blind, randomized, controlled trial.
Erdoğan Yüce G, Taşcı S.
Complement Ther Clin Pract. 2020 Feb;38:101081. doi: 10.1016/j.ctcp.2019.101081. Epub 2019 Dec 18.
https://www.ncbi.nlm.nih.gov/pubmed/32056817

An Internet-Based Asthma Self-Management Program Increases Knowledge About Asthma.
Kohler B, Kellerer C, Schultz K, Wittmann M, Atmann O, Linde K, Hapfelmeier A, Schneider A.
Dtsch Arztebl Int. 2020;117(5):64-71. doi: 10.3238/arztebl.2020.0064.
https://www.ncbi.nlm.nih.gov/pubmed/32070472

Differences in the Clinical Characteristics of Early- and Late-Onset Asthma in Elderly Patients.
Liu QH, Kan X, Wang YB, Liu KX, Zeng D.
Biomed Res Int. 2020 Jan 27;2020:2940296. doi: 10.1155/2020/2940296. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32090072

Evaluation of a Multidisciplinary Disease Management Program to Achieve Asthma Control in Seven Safety Net Hospitals in Louisiana.
Bateman ME, Oakland H, Oral E, Nuss H, Fisher P, Udemgba C, Walker C, Daigrepont N, Parada NA.
Popul Health Manag. 2020 Feb 25. doi: 10.1089/pop.2019.0209. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32096685

Correlation between work impairment, scores of rhinitis severity and asthma using the MASK-air® App.

Bédard A, Antó JM, Fonseca JA, Arnavielhe S, Bachert C, Bedbrook A, Bindslev-Jensen C, Bosnic-Anticevich S, Cardona V, Cruz AA, Fokkens WJ, Garcia-Aymerich J, Hellings PW, Ivancevich JC, Klimek L, Kuna P, Kvedariene V, Larenas-Linnemann D, Melén E, Monti R, Mösges R, Mullol J, Papadopoulos NG, Pham-Thi N, Samolinski B, V Tomazic P, Toppila-Salmi S, Ventura MT, Yorgancioglu A, Bousquet J, Pfaar O, Basagaña X; MASK study group. Allergy. 2020 Jan 29:10.1111/all.14204. doi: 10.1111/all.14204. Epub ahead of print.
https://pubmed.ncbi.nlm.nih.gov/31995656

ADVANCED DISEASE / END OF LIFE / PALLIATIVE CARE

End-of-Life Spending and Healthcare Utilization Among Older Adults with Chronic Obstructive Pulmonary Disease.
Iyer AS, Goodrich CA, Dransfield MT, Alam SS, Brown CJ, Landefeld CS, Bakitas MA, Brown JR. Am J Med. 2019 Dec 26. pii: S0002-9343(19)31105-2. doi: 10.1016/j.amjmed.2019.11.024. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31883772

A Retrospective Study Reviewing Interprofessional Advance Care Planning Group Discussions in Pulmonary Rehabilitation: A Proof-of-Concept and Feasibility Study.
Grossman D, Katz A, Lock K, Caraiscos VB.
J Palliat Care. 2019 Dec 30:825859719896421. doi: 10.1177/0825859719896421. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31888416

Chronic Obstructive Pulmonary Disease: A palliative medicine review of the disease, its therapies and drug interactions.
Weiss A, Porter S, Rozenberg D, O'Connor E, Lee T, Balter M, Wentlandt K.
J Pain Symptom Manage. 2020 Jan 28. pii: S0885-3924(20)30061-0. doi: 10.1016/j.jpainsymman.2020.01.009. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32004618

COMORBID CONDITIONS

Association between medicated obstructive pulmonary disease, depression and subjective health: results from the population-based Gutenberg Health Study.
Ghaemi Kerahrodi J, Brähler E, Wiltink J, Michal M, Schulz A, Wild PS, Münzel T, Toenges G, Lackner KJ, Pfeiffer N, Beutel ME.
Sci Rep. 2019 Dec 27;9(1):20252. doi: 10.1038/s41598-019-56440-9.
https://www.ncbi.nlm.nih.gov/pubmed/31882715

Overlap syndrome: the coexistence of OSA further impairs cardiorespiratory fitness in COPD.

de Carvalho Junior LCS, Trimer R, Zangrando KL, Arêas GPT, Caruso FR, Bonjorno Junior JC, Oliveira CR, Mendes R, Borghi-Silva A.
Sleep Breath. 2020 Jan 2. doi: 10.1007/s11325-019-02002-2. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31898188

A systematic review with meta-analysis of gastroesophageal reflux disease and exacerbations of chronic obstructive pulmonary disease.
Huang C, Liu Y, Shi G.
BMC Pulm Med. 2020 Jan 8;20(1):2. doi: 10.1186/s12890-019-1027-z.
https://www.ncbi.nlm.nih.gov/pubmed/31914979

Lung function and cardiovascular disease: A link.
Ramalho SHR, Shah AM.
Trends Cardiovasc Med. 2020 Jan 3. pii: S1050-1738(20)30002-5. doi: 10.1016/j.tcm.2019.12.009. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31932098

COPD and cardiovascular disease: More than just a co-incidence.
Pena X, Guijarro C.
Rev Clin Esp. 2020 Jan 10. pii: S0014-2565(19)30287-5. doi: 10.1016/j.rce.2019.10.007. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31932046

Diabetes as a risk factor for severe exacerbation and death in patients with COPD: a prospective cohort study.
Castañ-Abad MT, Montserrat-Capdevila J, Godoy P, Marsal JR, Ortega M, Alsedà M, Barbé F.
Eur J Public Health. 2020 Jan 17. pii: ckz219. doi: 10.1093/eurpub/ckz219. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31951259

The impact of COPD on polyneuropathy: results from the German COPD cohort COSYCONET.
Kahnert K, Föhrenbach M, Lucke T, Alter P, Trudzinski FT, Bals R, Lutter JI, Timmermann H, Söhler S, Förderreuther S, Nowak D, Watz H, Waschki B, Behr J, Welte T, Vogelmeier CF, Jörres RA.
Respir Res. 2020 Jan 20;21(1):28. doi: 10.1186/s12931-020-1293-6.
https://www.ncbi.nlm.nih.gov/pubmed/31959163

Treating Hypertension in Chronic Obstructive Pulmonary Disease.
Finks SW, Rumbak MJ, Self TH.
N Engl J Med. 2020 Jan 23;382(4):353-363. doi: 10.1056/NEJMra1805377.
https://www.ncbi.nlm.nih.gov/pubmed/31971680

Multimorbidity in COPD, does sleep matter?
Vanfleteren LE, Beghe B, Andersson A, Hansson D, Fabbri LM, Grote L.

Eur J Intern Med. 2020 Jan 21. pii: S0953-6205(19)30470-4. doi: 10.1016/j.ejim.2019.12.032. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31980328

The effect of the presence and severity of bronchiectasis on the respiratory functions, exercise capacity, dyspnea perception, and quality of life in patients with chronic obstructive pulmonary disease.
Sahin H, Naz I, Susam S, Erbaycu AE, Olcay S.
Ann Thorac Med. 2020 Jan-Mar;15(1):26-32. doi: 10.4103/atm.ATM_198_19. Epub 2020 Jan 2.
https://www.ncbi.nlm.nih.gov/pubmed/32002044

Impact of COPD and anemia on motor and cognitive performance in the general older population: results from the English longitudinal study of ageing.
Padberg I, Schneider A, Rohmann JL, Kelley SW, Grittner U, Siegerink B.
Respir Res. 2020 Feb 3;21(1):40. doi: 10.1186/s12931-020-1305-6.
https://www.ncbi.nlm.nih.gov/pubmed/32013976

Brain Activations to Dyspnea in Patients With COPD.
Reijnders T, Troosters T, Janssens W, Gosselink R, Langer D, Davenport PW, von Leupoldt A.
Front Physiol. 2020 Jan 24;11:7. doi: 10.3389/fphys.2020.00007. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32038311

Treating Hypertension in Chronic Obstructive Pulmonary Disease.
Finks SW, Rumbak MJ, Self TH.
N Engl J Med. 2020 Jan 23;382(4):353-363. doi: 10.1056/NEJMra1805377.
https://www.ncbi.nlm.nih.gov/pubmed/31971680

Hospitalisation and mortality in patients with comorbid COPD and heart failure: a systematic review and meta-analysis.
Axson EL, Ragutheeswaran K, Sundaram V, Bloom CI, Bottle A, Cowie MR, Quint JK.
Respir Res. 2020 Feb 14;21(1):54. doi: 10.1186/s12931-020-1312-7.
https://www.ncbi.nlm.nih.gov/pubmed/32059680

Morphological overview of cardiovascular comorbidities in chronic obstructive pulmonary disease: Frank's sign.
Ogan N, Gunay E, Ekici B, Baha A, Gulensoy ES, Akpinar EE, Yuksel A.
Heart Lung. 2020 Feb 12. pii: S0147-9563(20)30008-X. doi: 10.1016/j.hrtlng.2020.01.008. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32061412

Autonomic dysfunction, cardio-pulmonary parameters and masked heart failure in non-severe chronic obstructive pulmonary disease.
Vlaeva Cherneva R, Veselinov Denchev S, Cherneva ZV.
Clin Physiol Funct Imaging. 2020 Feb 19. doi: 10.1111/cpf.12623. [Epub ahead of print]

https://www.ncbi.nlm.nih.gov/pubmed/32073740

Developing and pilot testing ASTHMAXcel, a mobile app for adults with asthma.
Hsia B, Mowrey W, Keskin T, Wu S, Aita R, Kwak L, Ferastraoarou D, Rosenstreich D, Jariwala SP. J Asthma. 2020 Feb 19:1-14. doi: 10.1080/02770903.2020.1728770. Epub ahead of print.
https://pubmed.ncbi.nlm.nih.gov/32046564

EXACERBATIONS / HOSPITALISATIONS / MORTALITY

The impact of a personalised action plan delivered at discharge to patients with COPD on readmissions: a pilot study.
Hegelund A, Andersen IC, Andersen MN, Bodtger U.
Scand J Caring Sci. 2019 Dec 21. doi: 10.1111/scs.12798. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31865631

Shared decision-making and patient engagement program during acute exacerbation of COPD hospitalization: A randomized control trial.
Granados-Santiago M, Valenza MC, López-López L, Prados-Román E, Rodríguez-Torres J, Cabrera-Martos I.
Patient Educ Couns. 2019 Dec 11. pii: S0738-3991(19)30548-8. doi: 10.1016/j.pec.2019.12.004. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31859121

Domiciliary high-flow treatment in patients with COPD and chronic hypoxic failure: In whom can we reduce exacerbations and hospitalizations?
Weinreich UM.
PLoS One. 2019 Dec 30;14(12):e0227221. doi: 10.1371/journal.pone.0227221. eCollection 2019.
https://www.ncbi.nlm.nih.gov/pubmed/31887206

Predictors of mortality in acute exacerbations of chronic obstructive pulmonary disease using the dyspnea, eosinopenia, consolidation, acidemia and atrial fibrillation score.
Bansal AG, Gaude GS.
Lung India. 2020 Jan-Feb;37(1):19-23. doi: 10.4103/lungindia.lungindia_114_19.
https://www.ncbi.nlm.nih.gov/pubmed/31898616

Clinical Role of the Chronic Obstructive Pulmonary Disease Assessment Test in Prediction of the Response to Treatment for Exacerbations.
Yoon S, Kim TE, Kim TH, Na JO, Shin KC, Rhee CK, Jung SS, Choe KH, Yoo KH.
J Korean Med Sci. 2020 Jan 13;35:e10. doi: 10.3346/jkms.2020.35.e10.
https://www.ncbi.nlm.nih.gov/pubmed/31920016

Management of chronic obstructive pulmonary disease: A review focusing on exacerbations.
Bollmeier SG, Hartmann AP.
Am J Health Syst Pharm. 2020 Jan 13. pii: zxz306. doi: 10.1093/ajhp/zxz306. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31930287

Oxygen therapy in the pre-hospital setting for acute exacerbations of chronic obstructive pulmonary disease.
Kopsaftis Z, Carson-Chahhoud KV, Austin MA, Wood-Baker R.
Cochrane Database Syst Rev. 2020 Jan 14;1:CD005534. doi: 10.1002/14651858.CD005534.pub3.
https://www.ncbi.nlm.nih.gov/pubmed/31934729

Effects of high-flow nasal cannula in patients with persistent hypercapnia after an acute COPD exacerbation: a prospective pilot study.
Pisani L, Betti S, Biglia C, Fasano L, Catalanotti V, Prediletto I, Comellini V, Bacchi-Reggiani L, Fers SN.
BMC Pulm Med. 2020 Jan 13;20(1):12. doi: 10.1186/s12890-020-1048-7.
https://www.ncbi.nlm.nih.gov/pubmed/31931776

The importance of sex as a risk factor for hospital readmissions due to pulmonary diseases.
Buja A, De Polo A, De Battisti E, Sperotto M, Baldovin T, Cocchio S, Furlan P, Saia M, Scapellato ML, Viel G, Baldo V, Bertoncello C, Ebell M.
BMC Public Health. 2020 Jan 14;20(1):53. doi: 10.1186/s12889-019-8138-6.
https://www.ncbi.nlm.nih.gov/pubmed/31937272

Understanding the impact of chronic obstructive pulmonary disease exacerbations on patient health and quality of life.
Hurst JR, Skolnik N, Hansen GJ, Anzueto A, Donaldson GC, Dransfield MT, Varghese P.
Eur J Intern Med. 2020 Jan 16. pii: S0953-6205(19)30443-1. doi: 10.1016/j.ejim.2019.12.014. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31954592

Models of care across the continuum of exacerbations for patients with chronic obstructive pulmonary disease.
Bourbeau J, Echevarria C.
Chron Respir Dis. 2020 Jan-Dec;17:1479973119895457. doi: 10.1177/1479973119895457.
https://www.ncbi.nlm.nih.gov/pubmed/31970998

Validation and Assessment of the COPD Treatment Ratio as a Predictor of Severe Exacerbations.
Stanford RH, Korrer S, Brekke L, Reinsch T, Bengtson LGS.
Chronic Obstr Pulm Dis. 2020 Jan;7(1):38-48. doi: 10.15326/jcopdf.7.1.2019.0132.

https://www.ncbi.nlm.nih.gov/pubmed/31999901

Multi-morbidities are Not a Driving Factor for an Increase of COPD-Related 30-Day Readmission Risk.
Lin SY, Xue H, Deng Y, Chukmaitov A.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 15;15:143-154. doi: 10.2147/COPD.S230072. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021153

Risk assessment for hospital admission in patients with COPD; a multi-centre UK prospective observational study.
Fermont JM, Bolton CE, Fisk M, Mohan D , Macnee W, Cockcroft JR, McEniery C, Fuld J, Cheriyan J, Tal-Singer R, Wilkinson IB, Wood AM, Polkey MI, Müllerova H.
PLoS One. 2020 Feb 10;15(2):e0228940. doi: 10.1371/journal.pone.0228940. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32040531

Laboratory-based Intermountain Validated Exacerbation (LIVE) Score stability in patients with chronic obstructive pulmonary disease.
Blagev DP, Collingridge DS, Rea S, Carey KA, Mularski RA, Zeng S, Arjomandi M, Press VG.
BMJ Open Respir Res. 2020 Feb;7(1). pii: e000450. doi: 10.1136/bmjresp-2019-000450.
https://www.ncbi.nlm.nih.gov/pubmed/32060034

How may we improve clinical outcomes for patients hospitalized with acute exacerbations of chronic obstructive pulmonary disease? A narrative review about possible therapeutic and preventive strategies.
Crisafulli E, Manco A, Torres A.
Expert Rev Respir Med. 2020 Feb 20. doi: 10.1080/17476348.2020.1732823. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32077337

Daily Integrated Care Conferences to Reduce Length of Hospital Stay for Patients With Chronic Obstructive Pulmonary Disease.
Shilian R, Abraham T, Wynbrandt J, Jhaveri D, Hostoffer RW, Peppers BP.
J Am Osteopath Assoc. 2020 Mar 1;120(3):144-152. doi: 10.7556/jaoa.2020.027.
https://www.ncbi.nlm.nih.gov/pubmed/32091558

The Glascow Prognostic Score can be a predictor of mortality in acute exacerbation of chronic obstructive pulmonary disease.
Kuluöztürk M, Deveci F.
Expert Rev Respir Med. 2020 Feb 25. doi: 10.1080/17476348.2020.1735366. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32093491

Impact of Comorbidities and Commonly Used Drugs on Mortality in COPD - Real-World Data from a Primary Care Setting.
Ellingsen J, Johansson G, Larsson K, Lisspers K, Malinovschi A, Ställberg B, Thuresson M, Janson C.
Int J Chron Obstruct Pulmon Dis. 2020 Feb 3;15:235-245. doi: 10.2147/COPD.S231296. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32099348

Effects of Ambient Temperature on Acute Exacerbations of Chronic Obstructive Pulmonary Disease: Results from a Time-Series Analysis of 143318 Hospitalizations.
Zhang Y, Liu X, Kong D, Fu J, Liu Y, Zhao Y, Lian H, Zhao X, Yang J, Fan Z.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 29;15:213-223. doi: 10.2147/COPD.S224198. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32099346

PERSPECTIVES / STATEMENTS / EDITORIALS

Opioid utility for dyspnea in chronic obstructive pulmonary disease: a complicated and controversial story.
Vozoris NT.
Ann Palliat Med. 2019 Dec 15. pii: apm.2019.11.04. doi: 10.21037/apm.2019.11.04. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31865744

Noninvasive positive pressure ventilation in stable patients with COPD.
Wiles SP, Aboussouan LS, Mireles-Cabodevila E.
Curr Opin Pulm Med. 2019 Dec 30. doi: 10.1097/MCP.0000000000000657. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31895118

Chronic obstructive pulmonary disease at the beginning of the XXI Century.
Agusti A, Zhang J.
J Thorac Dis. 2019 Nov;11(11):E210-E213. doi: 10.21037/jtd.2019.10.50.
https://www.ncbi.nlm.nih.gov/pubmed/31903284

COUNTERPOINT: Can Screening for COPD Improve Outcomes? No.
Mannino DM, Thomashow B.
Chest. 2020 Jan;157(1):9-12. doi: 10.1016/j.chest.2019.05.035.
https://www.ncbi.nlm.nih.gov/pubmed/31916967

POINT: Can Screening for COPD Improve Outcomes? Yes.
Yawn BP, Martinez FJ.
Chest. 2020 Jan;157(1):7-9. doi: 10.1016/j.chest.2019.05.034.
https://www.ncbi.nlm.nih.gov/pubmed/31916966

No place like home: initiation of non-invasive ventilation for stable severe COPD.
Hill NS.
Thorax. 2020 Jan 29. pii: thoraxjnl-2019-213787. doi: 10.1136/thoraxjnl-2019-213787. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31996402

Nutritional supplementation during pulmonary rehabilitation in COPD: Do not expect an elixir of life but keep the hunger for more robust evidence.
van den Borst B.
Chron Respir Dis. 2020 Jan-Dec;17:1479973120904954. doi: 10.1177/1479973120904954.
https://www.ncbi.nlm.nih.gov/pubmed/32090606

OTHER

Characteristics and health burden of the undiagnosed population at risk of chronic obstructive pulmonary disease in China.
Koch M, Butt T, Guo W, Li X, Chen Y, Tan D, Liu GG.
BMC Public Health. 2019 Dec 23;19(1):1727. doi: 10.1186/s12889-019-8071-8.
https://www.ncbi.nlm.nih.gov/pubmed/31870442

The socioeconomic burden of chronic lung disease in low-resource settings across the globe - an observational FRESH AIR study.
Brakema EA, Tabyshova A, van der Kleij RMJJ, Sooronbaev T, Lionis C, Anastasaki M, An PL, Nguyen LT, Kirenga B, Walusimbi S, Postma MJ, Chavannes NH, van Boven JFM; FRESH AIR collaborators.
Respir Res. 2019 Dec 21;20(1):291. doi: 10.1186/s12931-019-1255-z.
https://www.ncbi.nlm.nih.gov/pubmed/31864411

Associations Between Individual Characteristics and Blood Eosinophil Counts in Adults with Asthma or COPD.
Caspard H, Ambrose CS, Tran TN, Chipps BE, Zeiger RS.
J Allergy Clin Immunol Pract. 2019 Dec 28. pii: S2213-2198(19)31053-0. doi: 10.1016/j.jaip.2019.12.019. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31891826

Machine Learning Characterization of COPD Subtypes: Insights from the COPDGene Study.
Castaldi PJ, Boueiz A, Yun J, San Jose Estepar R, Ross JC, Washko G, Cho MH, Hersh CP, Kinney GL, Young KA, Regan EA, Lynch DA, Criner GJ, Dy JG, Rennard SI, Casaburi R, Make BJ, Crapo J, Silverman EK, Hokanson JE; COPDGene Investigators.
Chest. 2019 Dec 27. pii: S0012-3692(19)34456-3. doi: 10.1016/j.chest.2019.11.039. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31887283

Pragmatic randomised controlled trial of a personalised intervention for carers of people requiring home oxygen therapy.
Frith P, Sladek R, Woodman R, Effing T, Bradley S, van Asten S, Jones T, Hnin K, Luszcz M, Cafarella P, Eckermann S, Rowett D, Phillips PA.
Chron Respir Dis. 2020 Jan-Dec;17:1479973119897277. doi: 10.1177/1479973119897277.
https://www.ncbi.nlm.nih.gov/pubmed/31903773

An information-motivation-behavioural-based model and adherence to inhalation therapy and other health outcomes in patients with chronic obstructive pulmonary disease: A pilot randomized controlled trial.
To KW, Lee IF, Choi KC, Cheung YTY, Yu DS.
Int J Nurs Pract. 2020 Jan 6:e12799. doi: 10.1111/ijn.12799. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31903654

Determinants of Sedentary Behaviour in Individuals with COPD: A Qualitative Exploration Guided by the Theoretical Domains Framework.
Wshah A, Selzler AM, Hill K, Brooks D, Goldstein R.
COPD. 2020 Jan 7:1-9. doi: 10.1080/15412555.2019.1708883. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31909650

Sleep Quality and Nocturnal Symptoms in a Community-Based COPD Cohort.
Shah A, Ayas N, Tan WC, Malhotra A, Kimoff J, Kaminska M, Aaron SD, Jen R.
COPD. 2020 Jan 10:1-9. doi: 10.1080/15412555.2019.1695247. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31920133

Simple non-mydriatic retinal photography is feasible and demonstrates retinal microvascular dilation in Chronic Obstructive Pulmonary Disease (COPD).
McKay GJ, McCarter RV, Hogg RE, Higbee DH, Bajaj MK, Burrage DR, Ruickbie S, Baker EH, Jones PW, Dodd JW.
PLoS One. 2020 Jan 10;15(1):e0227175. doi: 10.1371/journal.pone.0227175. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/31923188

Complexity analysis of heart rate variability in chronic obstructive pulmonary disease: relationship with severity and symptoms.
Serrão NF Jr, Porta A, Minatel V, Castro AAM, Catai AM, Sampaio LMM, Arena R, Borghi-Silva A.
Clin Auton Res. 2020 Jan 14. doi: 10.1007/s10286-019-00659-z. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31938978

Prevalence and Characteristics of Pain in Patients of Chronic Obstructive Pulmonary Disease: A Cross-Sectional Study in China.
Cheng W, Li X, Duan J, Zhou Z, Zhou A, Zhao Y, Zeng Y, Chen Y, Cai S, Chen P.
COPD. 2020 Jan 17:1-11. doi: 10.1080/15412555.2020.1713076. [Epub ahead of print]

https://www.ncbi.nlm.nih.gov/pubmed/31948299

Accuracy of WatchPAT for the Diagnosis of Obstructive Sleep Apnea in Patients with Chronic Obstructive Pulmonary Disease.
Jen R, Orr JE, Li Y, DeYoung P, Smales E, Malhotra A, Owens RL.
COPD. 2020 Jan 22:1-6. doi: 10.1080/15412555.2019.1707789. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31965862

Effect of Olfactory Stimulation by L-menthol on Laboratory-Induced Dyspnea in Chronic Obstructive Pulmonary Disease.
Kanezaki M, Terada K, Ebihara S.
Chest. 2020 Jan 22. pii: S0012-3692(20)30102-1. doi: 10.1016/j.chest.2019.12.028. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31981567

Association between adiposity measures and COPD risk in Chinese adults.
Li J, Zhu L, Wei Y, Lv J, Guo Y, Bian Z, Du H, Yang L, Chen Y, Zhou Y, Gao R, Chen J, Chen Z, Cao W, Yu C, Li L; China Kadoorie Biobank Collaborative Group.
Eur Respir J. 2020 Jan 24. pii: 1901899. doi: 10.1183/13993003.01899-2019. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31980495

BET 1: is the patient's perception of shortness of breath a useful triage tool in exacerbations of COPD?
Anna Mackway-Jones RN, Howard L.
Emerg Med J. 2020 Feb;37(2):112-113. doi: 10.1136/emermed-2019-209390.2.
https://www.ncbi.nlm.nih.gov/pubmed/31980552

Practical lessons in implementing frailty assessments for hospitalised patients with COPD.
Chin M, Voduc N, Huang S, Forster A, Mulpuru S.
BMJ Open Qual. 2020 Jan;9(1). pii: e000782. doi: 10.1136/bmjoq-2019-000782.
https://www.ncbi.nlm.nih.gov/pubmed/31986119

Clinical Evidence of Nasal High-Flow Therapy in Chronic Obstructive Pulmonary Disease Patients.
Elshof J, Duiverman ML.
Respiration. 2020 Jan 28:1-14. doi: 10.1159/000505583. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31991408

Asthma-chronic obstructive pulmonary disease overlap in China: prevalence, associated factors and comorbidities in middle-aged and older adults.
Song P, Zha M, Xia W, Zeng C, Zhu Y.
Curr Med Res Opin. 2020 Jan 29:1. doi: 10.1080/03007995.2020.1722082. [Epub ahead of print]

https://www.ncbi.nlm.nih.gov/pubmed/31992091

The Burden of Cough and Phlegm in People With COPD: A COPD Patient-Powered Research Network Study.
Choate R, Pasquale CB, Parada NA, Prieto-Centurion V, Mularski RA, Yawn BP.
Chronic Obstr Pulm Dis. 2020 Jan;7(1):49-59. doi: 10.15326/jcopdf.7.1.2019.0146.
https://www.ncbi.nlm.nih.gov/pubmed/31999902

Chronic cough in individuals with COPD: a population-based cohort study.
Landt E, Çolak Y, Lange P, Laursen LC, Nordestgaard BG, Dahl M.
Chest. 2020 Jan 24. pii: S0012-3692(20)30130-6. doi: 10.1016/j.chest.2019.12.038. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/31987882

Association Between Everyday Technology Use, Activities of Daily Living and Health-Related Quality of Life in Chronic Obstructive Pulmonary Disease.
Kaptain RJ, Helle T, Patomella AH, Weinreich UM, Kottorp A.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 9;15:89-98. doi: 10.2147/COPD.S229630. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021147

Ultrasound Evaluation of the Quadriceps Muscle Contractile Index in Patients with Stable Chronic Obstructive Pulmonary Disease: Relationships with Clinical Symptoms, Disease Severity and Diaphragm Contractility.
Maynard-Paquette AC, Poirier C, Chartrand-Lefebvre C, Dubé BP.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 9;15:79-88. doi: 10.2147/COPD.S222945. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021146

Activities of Daily Living and Life-Space Mobility in Older Adults with Chronic Obstructive Pulmonary Disease.
Garcia IFF, Tiuganji CT, Simões MDSMP, Lunardi AC.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 9;15:69-77. doi: 10.2147/COPD.S230063. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021145

Smokers with COPD Show a Shift in Energy and Nitrogen Metabolism at Rest and During Exercise.
Holz O, DeLuca DS, Roepcke S, Illig T, Weinberger KM, Schudt C, Hohlfeld JM.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 6;15:1-13. doi: 10.2147/COPD.S217474. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021139

Clinical Impact of Multidisciplinary Outpatient Care on Outcomes of Patients with COPD.

Mansoor S, Obaida Z, Ballowe L, Campbell AR, Patrie JT, Byrum TD, Shim YM.
Int J Chron Obstruct Pulmon Dis. 2020 Jan 8;15:33-42. doi: 10.2147/COPD.S225156. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32021142

Association of Home Noninvasive Positive Pressure Ventilation With Clinical Outcomes in Chronic Obstructive Pulmonary Disease: A Systematic Review and Meta-analysis.
Wilson ME, Dobler CC, Morrow AS, Beuschel B, Alsawas M, Benkhadra R, Seisa M, Mittal A, Sanchez M, Daraz L, Holets S, Murad MH, Wang Z.
JAMA. 2020 Feb 4;323(5):455-465. doi: 10.1001/jama.2019.22343.
https://www.ncbi.nlm.nih.gov/pubmed/32016309

Home Noninvasive Ventilation for Patients With Chronic Obstructive Pulmonary Disease and Chronic Respiratory Failure.
Coleman JM 3rd, Gates KL, Kalhan R.
JAMA. 2020 Feb 4;323(5):421-422. doi: 10.1001/jama.2019.22484.
https://www.ncbi.nlm.nih.gov/pubmed/32016294

Psychosocial issues need more attention in COPD self-management education.
Siltanen H, Aine T, Huhtala H, Kaunonen M, Vasankari T, Paavilainen E.
Scand J Prim Health Care. 2020 Feb 6:1-9. doi: 10.1080/02813432.2020.1717087. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32024406

Working with patients suffering from chronic diseases can be a balancing act for health care professionals - a meta-synthesis of qualitative studies.
Holmen H, Larsen MH, Sallinen MH, Thoresen L, Ahlsen B, Andersen MH, Borge CR, Eik H, Wahl AK, Mengshoel AM.
BMC Health Serv Res. 2020 Feb 10;20(1):98. doi: 10.1186/s12913-019-4826-2.
https://www.ncbi.nlm.nih.gov/pubmed/32039723

Health Care Utilisation and Health Needs of People with Severe COPD in the Southern Region of New Zealand: A Retrospective Case Note Review.
Dummer J, Tumilty E, Hannah D, McAuley K, Baxter J, Doolan-Noble F, Donlevy S, Stokes T.
COPD. 2020 Feb 10:1-7. doi: 10.1080/15412555.2020.1724275. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32037897

Effects of a tailored inhaler use education program for chronic obstructive pulmonary disease patients.
Kim YM, Yu M, Moon HR, Ju SY, Lee GA, Kim MJ.
Patient Educ Couns. 2020 Feb 5. pii: S0738-3991(20)30055-0. doi: 10.1016/j.pec.2020.02.005. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32044192

Findings from an exploration of a social network intervention to promote diet quality and health behaviours in older adults with COPD: a feasibility study.
Bloom I, Welch L, Vassilev I, Rogers A, Jameson K, Cooper C, Robinson S, Baird J.
Pilot Feasibility Stud. 2020 Feb 6;6:15. doi: 10.1186/s40814-020-0553-z. eCollection 2020.
https://www.ncbi.nlm.nih.gov/pubmed/32042439

Trends and risk factors of mortality and disability adjusted life years for chronic respiratory diseases from 1990 to 2017: systematic analysis for the Global Burden of Disease Study 2017.
Li X, Cao X, Guo M, Xie M, Liu X.
BMJ. 2020 Feb 19;368:m234. doi: 10.1136/bmj.m234.
https://www.ncbi.nlm.nih.gov/pubmed/32075787

Daytime symptoms of chronic obstructive pulmonary disease: a systematic review.
Tsiligianni I, Kocks JWH.
NPJ Prim Care Respir Med. 2020 Feb 21;30(1):6. doi: 10.1038/s41533-020-0163-5.
https://www.ncbi.nlm.nih.gov/pubmed/32081967

Asthma and COPD patients' perceived link between health literacy core domains and self-management of their condition.
Poureslami I, Shum J, Goldstein R, Gupta S, Aaron SD, Lavoie KL, Poirier C, Kassay S, Starnes K, Akhtar A, FitzGerald JM; Canadian Airways Health Literacy Study Group.
Patient Educ Couns. 2020 Feb 9. pii: S0738-3991(20)30058-6. doi: 10.1016/j.pec.2020.02.011. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32087989

What influenced people with chronic or refractory breathlessness and advanced disease to take part and remain in a drug trial? A qualitative study.
Lovell N, Etkind SN, Bajwah S, Maddocks M , Higginson IJ.
Trials. 2020 Feb 22;21(1):215. doi: 10.1186/s13063-020-4129-2.
https://www.ncbi.nlm.nih.gov/pubmed/32087745

Chronic Obstructive Pulmonary Disease: A 2019 Evidence Analysis Center Evidence-Based Practice Guideline.
Hanson C, Bowser EK, Frankenfield DC, Piemonte TA.
J Acad Nutr Diet. 2020 Feb 17. pii: S2212-2672(19)31696-X. doi: 10.1016/j.jand.2019.12.001. [Epub ahead of print]
https://www.ncbi.nlm.nih.gov/pubmed/32081589

Digit ratio as a risk factor for muscle dysfunction and acute exacerbation in patients with chronic obstructive pulmonary disease.
Jin J, Li GJ, Li FS, Wang J, Jing J, Li Z, Xin XY, Zheng Q, Wang KL, Liu HF, Tao SM.
J Int Med Res. 2020 Feb;48(2):300060519898059. doi: 10.1177/0300060519898059.
https://www.ncbi.nlm.nih.gov/pubmed/32090664